

LAPIDUS, M.

Milk conveyor in operation. Nauka i zhizn' 29  
no.12:64-64a D '62. (MIRA 16:3)  
(Dairy barns)

LEVIN, Z.; LAPIDUS, M.

Readers suggest. Fin. SSSR 37 no.7:89-90 J1 '63. (MIRA 16:8)

1. Upravlyayushchiy Vasileostrovskim otdeleniyem Stroybanka  
Leningrada (for Lapidus).  
(Construction industry--finance) (Tax accounting)

VOLOVCHENKO, I.; METELEV, V.; BANNIKOV, N.; ~~LAPIDUS, M.~~ MOROZOV, P.;  
RUETSOV, M.; BATSANOV, N.; PRYANISHNIKOV, D.N., akademik;  
TULAYKOV, N.M., akademik; BEREZIN, I.A., red.; AVDEYEVA,  
V.A., tekhn. red.

[Strong crops] Moguchie kul'tury. Moskva, Sovetskaya Rossiya,  
1962. 222 p. (Truzhenikam sela - ob intensivnoi sisteme  
zemledeliya, no.2) (MIRA 16:9)

(Field crops)

KUVSHINOV, I.S., prof.; GORLANOV, I.A., kand. ekon. nauk; UTEKHIN,  
A.G., kand. sel'khoz. nauk; YEREMIN, S., red.; LAPIDUS, M.,  
red.; RAKITINA, Ye., red.; TIKHONOVA, Ye., red.;  
FREYDMAN, S., red.

[World agriculture] Mirovoe sel'skoe khoziaistvo. Moskva,  
Kolos, 1964. 419 p. (MIRA 18:1)

SARIMSAKOV, Uzakbay; LAPIDUS, M.A., red.

[Only with machines] Tol'ko mashinami. Moskva, Izd-vo  
"Kolos," 1964. 69 p. (MIRA 17:11)

1. Direktor sovkhoza "Savay" Andzhanskoy oblasti Uzbekskoy  
SSR (for Sarimsakov).

LAPIDUS, Moisey Abramovich; KOROBov, P.I., red.; AVDEYEVA, V.A.,  
tekhn. red.

[Discoverer of underground secrets] Otkryvatel' podzemnykh  
tain. Moskva, Izd-vo "Sovetskaya Rossiya," 1963. 382 p.  
(MIRA 16:12)

(Gubkin, Ivan Mikhailovich, 1871-1939)  
(Petroleum geology)

*LAPIDUS, M. A.*  
KUZNETSOV, A.V.; LAPIDUS, M.A.; LEKOMTSEV, A.S., SKRIMOV, B.F., SHELEST,  
P.S. HERGAUZ, P.I., redaktor; GUREVICH, M.M., tekhnicheskii re-  
daktor.

[Composite crews on collective farms] Kompleksnye proizvodstvennye  
brigady v kolkhozakh. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1956.172 p.  
(MLRA 10:6)

(Collective farms)

4-11-1956, M.A.  
IGNATOV, Stepan Andreyevich; STUPNIKOV, Mikhail Maksimovich; GERMANOV,  
Andrey Petrovich; BANNIKOV, N.A., redaktor; LAPIDUS, M.A.,  
redaktor; SOKOLOVA, N.N., tekhnicheskii redaktor

[A unified production and finance plan and monthly wages on  
collective farms] Edinyi proizvodstvenno-finansovyi plan i  
pomesiachnaia oplata truda v kolkhoze. Moskva, Gos. izd-vo  
sel'khoz. lit-ry, 1956. 215 p. (MLBA 10:4)  
(Wages) (Collective farms)



LAPIDUS M.A.

TERENT'YEV, M.L.; OSAD'KO, M.P.; BRAGINSKIY, B.I.; SLOBODIN, V.M.; FISHMAN, Z.A.; LEVIN, I.Ye.; TSYNKOV, M.Yu.; RADIR'YAN, G.G.; TYUTIN, V.A.; ABRAMOV, V.A.; FRAYER, S.V.; KOBCHIKOVA, I.A.; KAMNAUKHOVA, Ye.I.; OBOLENSKIY, K.P.; IL'IN, S.A.; GAVRILOV, V.I.; FREYDMAN, S.M.; KALASHNIKOVA, V.S., redaktor; LAPIDUS, M.A., redaktor; RAKITINA, Ye.D., redaktor; FEDOTOVA, A.F., tekhnicheskij redaktor

[Manual for students of collective farm economy] V pomoshch' izuchaiushchim ekonomiku kolkhozov. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 423 p. (MIRA 10:1)  
(Collective farms)

*L. A. Pridus MA*  
VOROPAYEV, Vasilii Ivanovich; LAPIDUS, M.A., red.; ZUBRILINA, Z.P., tekhn.  
red.

[How collective farms improve their organization and wage system]  
Kak kolkhozy sovershenstvuiut organizatsiiu i oplatu truda.  
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 62 p. (MIRA 11:4)  
(Collective farms) (Wages)

*LAPIDUS, M.A.*  
OMEL'CHENKO, Yuriy Tikhonovich; BANNIKOV, N.A., red.; LAPIDUS, M.A.,  
red.; GUREVICH, M.M., tekhn.red.

[The collective farm in the struggle for profits; practices of  
the Dimitrov Agricultural Artel in Leningrad Province] Kolkhoz v  
bor'be za rentabel'nost'; iz opyta raboty sel'skokhoziaistvennoi  
arteli imeni Dimitrova Leningradskoi oblasti. Izd.2-oe, perer.i  
dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 94 p. (Kolkhoznaia  
ekonomicheskaiia bibliotekhka, no.15) (MIRA 11:1)  
(Collective farms)

*LAPIDUS, M. A.*  
ADAMOVSKIY, I.A.; GREEN', V.I.; PANKOV, P.A.; LAPIDUS, M.A., red.;  
PEVZNER, V.I., tekhn.red.

[The first machine-tractor station] Pervaya MTS. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1957. 155 p. (MIRA 11:1)  
(Machine-tractor stations)

SEMENOV, I.; LAPINUS, M.A., red.; DEYEVA, Y.M., tekhn. red.

[They are catching up with America] Oni dogonisiut Ameriku. Moskva,  
Gos. izd-vo sel'khoz. lit-ry, 1958. 95 p. (MIRA 11:10)  
(Ukraine--Stock and stockbreeding)

ZHUKOVSKIY, Nikolay Ivanovich.; LAPIDUS, M.A., red.; ZUBRILINA, Z.P., tekhn. red.

[Innovations in Siberian agriculture; based on data from  
Novosibirsk Province] Novoe v sel'skom khoziaistve Sibiri; po  
materialam Novosibirskoi oblasti. Moskva, Gos. izd-vo sel'khoz.  
lit-ry, 1958. 140 p. (MIRA 11:11)  
(Novosibirsk Province--Agriculture)

OKSMAN, Ya.B.; BABAYEV, A.; BOGUSH, G.; DOLINA, Ye.; KOVYNEV, B.; MIRNYI, G.;  
RUBEO, Stelio(Italiya); SING, Ramkhandr (Indiya); SOMOV, Yu.; KHARSH,  
D'yerd'(Vengriya); YUR'YEV, N.; YANEV, Kirill (Bolgariya); LAPIDUS,  
M.A., red.; BALLOD, A.I., tekhn.red.

[Foreign visitors on Soviet agriculture; impressions of participants  
in the Sixth World Festival of Youth and Students] Zarubezhnye.  
gosti o sel'skom khoziaistve SSSR; vpechatleniia uchastnikov VI  
Vsemirnogo festivalia molodezhi i studentov. Moskva, Gos.izd-vo  
sel'khoz.lit-ry, 1958. 239 p. (MIRA 12:4)  
(Agriculture)

KULIKOV, V.N.; MERZLYAKOV, V.S.; LAPIDUS, M.A., red.; DEYEVA, V.M.,  
tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Cotton is harvested by machinery] Khlopok ubiraiut mashinami.  
Moskva, Gos.isd-vo sel'khoz. lit-ry, 1959. 119 p. (MIRA 12:7)  
(Cotton growing)



PAYTSONI, Vil'gel'm, laureat Natsional'noy premii Germanskoy Demokraticheskoy Respubliki; LUTSENKO, Semen Vasil'yevich, Garoy Sotsialisticheskogo Truda; LAPIDUS, M.A., red.; PROKCP'YEVA, L.N., tekhn. red.

[Competition between Soviet and German farmers] Sorevnovanie sovetskikh i nemetskikh krest'ian. Moskva, Gos. izd-vo sel'-khoz. lit-ry, 1959. 122 p. (MIRA 14:5)

1. Predsedatel' nemetskogo sel'skokhozyaystvennogo proizvodstvennogo kooperativa imeni Fridrikha Engel'sa (for Paytsoni)
2. Predsedatel' kolkhoza "Proletarskaya volya" Stavropol'skogo kraia (for Lutsenko)  
(Collective farms) (Germany, East--Agriculture, Cooperative)

OKHAPKIN, K.A., kand.sel'skokhoz.nauk; Prinimali uchastiye: BRAN'KOV, P.G.,  
nauchnyy sotrudnik; RUMYANTSEVA, T.V., nachnyy sotrudnik; IVIN,  
I.A., kand.sel'skokhoz.nauk; NOVIKOV, Ye.S.; KARPUSHENKO, A.I.;  
YELFIMOVA, Ye.I., aspirantka. LAPIDUS, M.A., red.; PROKOF'YEVA,  
L.N., tekhn.red.

[How to make the transition to monetary wages; aid to collective  
farm chairmen, economists, and accountants] Kak pereiti na denezh-  
nuiu oplatu; v pomoshch' predsedateliyam kol'khozov, kol'khoznyam eko-  
nomistam i bukhgalteram. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960.  
55 p. (MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki  
sel'skogo khozyaystva. 2. Otdel normirovaniya i oplaty truda Vse-  
soyuznogo nauchno-issledovatel'skogo inatituta ekonomii sel'skogo  
khozyaystva (for Bran'kov, Rumyantseva). 3. Vsesoyuznyy nauchno-issle-  
dovatel'skiy institut ekonomii sel'skogo khozyaystva (for Yelfimova).  
(Collective farms--Income distribution)

VLASOV, Sergey Nikolayevich; LEVSHIN, Anatoli; Vladimirovich; LA-  
PIDUS, M.A., red.; DEYEVA, V.M., tekhn. red.

[Social insurance for collective farmers] Sotsial'noe obes-  
pechenie kolkhoznikov. Moskva, Gos. izd-vo sel'khoz. lit-  
ry, 1960. 70 p. (MIRA 14:5)

(Insurance, Social)

KULIK, Gennadiy Vasil'yevich; TIKHOMIROV, Mikhail Ivanovich; LAPIDUS, M.A., red.; GUREVICH, M.M., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Organizational-economic plan for reducing collective farm expenditures] Organizatsionno-khoziaistvennyi plan snizhenia zatrat kolkhoza. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960.  
83 p. (MIRA 13:6)

(Siberia, Western--Agriculture--Costs)

YEMEL'YANOV, Ivan Abramovich, Geroy Sotsialisticheskogo Truda, deputat Verkhovnogo Soveta SSSR; LAPIDUS, M.A., red.; PROKOF'YEVA, L.N., tekhn.red.

[Raising the standards of agriculture] Povyshaem kul'turu zemle-  
deliia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 133 p.

(MIRA 13:9)

1. Predsedatel' kolkhoza imeni Timiryazeva Gor'kovskoy oblasti  
(for Yemel'yanov).

(Agriculture)

MITYUSHKIN, Timofey Sergeyevich; TATUR, S.K., doktor ekonom.nauk, red.;  
LAPIDUS, M.A., red.; PEVZNER, V.I., tekhn.red.; TRUKHINA, O.N.,  
tekhn.red.

[Analysis of the economic aspects of socialist agricultural enterprises] Analiz khoziaistvennoi deiatel'nosti sotsialisticheskikh sel'skokhoziaistvennykh predpriiatii. Pod red. S.K. Tatura. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 279 p.

(MIRA 13:11)

(Agriculture--Accounting)

KABANOV, P.G., kand. sel'khoz. nauk, red.; POPUGAYEV, M.M., kand. ekon. nauk, red.; GORBACHEV, A.P., nauchnyy sotr., red.; LAPIDUS, M.A., red.;  
DEYEVA, V.M., tekhn. red.

[Farming system in the Southeast] Sistema vedeniia sel'skogo kho-  
ziaistva na Iugo-Vostoke. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960.  
428 p. (MIRA 14:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Leni-  
na. 2. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Yugo-  
Vostoka (for Kabanov, Popugayev, Gorbachev)  
(Volga Valley—Agriculture)

BELOUSOV, Yu.A.; KORCHANOV, A.T.; RUDINSKIY, Ye.Ya.; STEPNOVA, Ye.V.;  
BANNIKOV, N.A., red.; ZAPIVAKHIN, A.I., red.; LAPIDUS, M.A.,  
red.; RAKITINA, Ye.D., red.; TERESHCHENKO, N.I., red.; FREYDMAN,  
S.M., red.; BALLOD, A.I., tekhn.red.

[Manual on rural subsidiary enterprises] Spravochnik po sel'skim  
podsobnym predpriatiyam. Moskva, Gos.izd-vo sel'khoz.lit-ry.  
1960. 798 p. (MIRA 13:12)  
(Manufactures) (Farm produce)



KNYAZEV, Nikolay Kuz'mich, kand. sel'khoz. nauk; KOVLER, B.A., inzh.-  
arkhitektor; TASHCHEV, Ye.N., kand. ekonom. nauk; LAPIDUS, M.A.,  
red.; GUREVICH, M.M., tekhn. red.

[Economic livestock buildings] Ekonomichnye zhivotnovodcheskie po-  
meshchenia. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 109 p.  
(MIRA 14:11)

(Farm buildings)

ANTONOVSKIY, Sergey Yul'yevich; LAPIDUS, M.A., red.; BALLOD, A.I., tekhn.  
red.

[Vegetables at reasonable prices all year round] Deshevye ovoashchi -  
kruglyi god. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1961. 116 p.  
(MIRA 14:8)

(Vegetable growing) (Greenhouses)

GLUKHOV, Zakhar Nikolayevich, Geroy Sotsialisticheskogo Truda ; LAPIDUS, M.A.,  
red.; RAKITINA, Ye.D., red.; PROKOF'YEVA, L.N., tekhn. red.

[Personnel determines the success of an enterprise] Kadry reshaint us-  
pekh dela. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov,  
1961. 166 p. (MIRA 14:8)

1. Sekretar' Mar'inenskogo rayonnogo komiteta Kommunisticheskoy partii  
Stalinskoy oblasti (for Glukhov)  
(Mar'inka District—Communist Party of the Soviet Union—Party work)  
(Collective farms—Officials and employees)

BEKKER, Aleksandr Aleksandrovich, brigadir, Geroy Sotsialisticheskogo truda; AZARIN, Georgiy Mikhaylovich, inzh.; LAPIDUS, M.A., nauchnyy red.; SHALYT, N.A., red.; NESMYSLOVA, L.M., tekhn. red.

[Work organization in a mixed brigade] Organizatsiia raboty kompleksnoi brigady. Moskva, Proftekhizdat, 1962. 56 p.  
(MIRA 16:1)

1. Kompleksnaya mekhanizirovannaya brigada altayskogo ~~kh~~ khoza "Strana Sovetov", Rubtsovskaya oblast' (for Bekker).  
(Rubtsovsk District—Farm mechanization)

MORSIN, Sergey Sergeyevich; SERGEYEVA, V.S., red.; LAPIDUS, M.A.,  
red.; TRUKHINA, O.N., tekhn. red.

[Organization of work on collective farms] Organizatsiia truda  
v kolkhozakh. Moskva, Sel'khozizdat, 1962. 85 p.  
(MIRA 16:2)

(Collective farms--Management)

KOLESNEV, S.G., akademik, red.; ZAPIVAKHIN, A.I., red.; LAPIDUS,  
M.A., red.; RAKITINA, Ye.D., red.; TIKHONOVA, Ye.M., red.;  
DEYEVA, V.M., tekhn. red.

[Specialization and size of agricultural enterprises] Spe-  
tsializatsiia i razmery sel'skokhoziaistvennykh predpriatii.  
Pod red. S.G.Kolesneva. Moskva, Sel'khozizdat, 1963. 382 p.  
(MIRA 16:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im.  
V.I.Lenina (for Kolesnev). (Farm management)

POMERANTSEV, V.M.; BANNIKOV, N.A., red.; LAPIDUS, M.A., red.;  
GUREVICH, M.M., tekhn. red.

[How we improve the economy of our collective farms]  
Kak my podnimaem ekonomiku nashikh kolkhozov. 2. izd.,  
perer. i dop. Moskva, Sel'khozgiz, 1957. 203 p.  
(Kolkhoznaia ekonomicheskaiia biblioteka, no.6)

(MIRA 16:11)

(Collective farms--Management)

STEPANOV, A.I., kand. ekon. nauk; LAFIDUS, M.A., red.

[An arid region and its economics] Zasuiskiy raion i  
ego ekonomika. Moskva, Izd-vo "Kolos," 1964. 246 p.  
(MIRA 17:7)



KIRILENKO, V.T.; KLOCHKO, I.K.; LAPIDUS, M.A., red.

[Fattening on a commercial basis] Otkorm na promyshlennoi  
osnove. Moskva, Kolos, 1965. 26 p. (MIRA 18:7)

MERZLYAKOV, Vasiliy Stepanovich; LAPIDUS, M.A., red.

[Beacon in the virgin land] Maiak na tseline. Moskva, Kolos, 1965. 69 p. (MIRA 18:7)

ZAYTSEV, V.Ye., zhurnalist; SHEPELEV, M.A., zhurnalist; LAPIDUS,  
M.A., red.

[On the lands of the Volga-Don] Na zemliakh Volgo-Dona.  
Moskva, Kolcs, 1965. 70 p. (MIRA 18:7)

LISHANSKIY, Mark L'vovich; POGREBNIYAK, Aleksandr Dmitriyevich;  
TATINTSYAN, Sarkis Vartanovich, nauchn. sotr.; LAPIDUS,  
M.A., red.

[Guaranteed wages and business accounting on a collective  
farm] Garantirovannaya oplata i khozraschet v kolkhoze.  
Moskva, Kolos, 1965. 85 p. (MIRA 18:6)

1. Nachal'nik finansovogo otdela Ministerstva proizvodstva  
i zagotovok sel'skokhozyaystvennykh produktov Dagestanskoy  
ASSR (for Lishanskiy). 2. Dagestanskiy nauchno-issledova-  
tel'skiy institut sel'skogo khozyaystva (for Tatintsyan).

PORADNYA, A.I., doktor tekhn. nauk; PUCHKOVSKIY, N.V., kand. tekhn.nauk;  
KRIVTSOV, V.I., inzh.; LAPIDUS, M.Kh., inzh.; REYZ, M.B., red.  
izd-va; ROZOV, L.K., tekhn. red.

[Planning and accounting in housing construction combines]Plani-  
rovanie i uchet v domostroitel'nykh kombinatakh; na opyte lenin-  
gradskikh DSK. Leningrad, Gos.izd-vo lit-ry po stroit., arkhitekt.  
i stroit. materialam, 1962. 102 p. (MIRA 16:2)  
(Construction industry) (Apartment houses)

LAPIDUS, Mikhail Khlovenovich; DOROFYEV, B.V., red.

[New developments in financing construction] Novoe v  
finansirovanii stroitel'stva. Leningrad, 1964. 42 p.  
(MIRA 18:3)

DEMIDENKO, Ye.I.; IVANOV, S.N.; LAPIDUS, M.Kh.

Determining certain parameters of an automatic press without  
connecting rod and with self-feeding of the strip. Kuz.-shtam.  
proizv. 5 no.11:26-30 N '62. (MIRA 17:1)

USOV, I.N., dotsent; LAPIDUS, M.R.

Electrocardiographic changes in children in influenza. Zdrav. Belor.  
6 no.9:13-15 S '60. (MIRA 13:9)

1. Iz kliniki detskikh bolezney Minskogo meditsinskogo instituta  
(zav. kafedroy - akademik AN BSSR V.A. Leonov) i 1-go klinicheskogo  
ob"yedineniya g. Minska (glavnyy vrach A.I. Shuba).  
(ELECTROCARDIOGRAPHY) (INFLUENZA)



LAPIDUS, M.R.

Copper content in the cerebrospinal fluid of children with  
tuberculous meningitis. Zdrav.Bel. 8 no.12:15-17 D '62.

(MIRA 16:1)

1. Iz detskogo otdeleniya 1-y klinicheskoy bol'nitsy g. Minska  
(glavnyy vrach A.I.Shuba), nauchnyy rukovoditel' raboty -  
akademik AN BSSR V.A.Leonov.

(CEREBROSPINAL FLUID)

(MENINGES—TUBERCULOSIS)

(COPPER IN THE BODY)

LAPIDUS, M.R.

Zinc content of the cerebrospinal fluid in children with  
tuberculous meningitis. Zdrav.Bel.9 no.2:30-31 F'63.

1. Iz detskogo otdeleniya l-y klinicheskoy bol'nitsy g. Minska (MIRA 16:7)  
(glavnyy vrach A.I.Shuba; nauchnyy rukovoditel' raboty - aka-  
demik AN Belorusskoy SSR V.A.Leonov).  
(MENINGES—TUBERCULOSIS) (ZINC IN THE BODY)  
(CEREBROSPINAL FLUID)

39868

S/051/62/013/002/007/014

E202/E492

24,3500 (also 4205)

AUTHORS: Tolstoy, N.A., Shun-fu, Lyu, Lapidus, M.Ye.

TITLE: Luminescence kinetics of chromium luminophors  
III. Ruby, Part I, Luminescence spectra and  
relaxation spectra, effect of chromium concentration  
and thickness

PERIODICAL: Optika i spektroskopiya, v.13, no.2, 1962, 242-249

TEXT: Using high purity (less than 0.001% heavy metals  
contaminants) alumina as starting material, the authors prepared  
polycrystalline samples of synthetic rubies in order to include  
high concentration (8%  $\text{Cr}_2\text{O}_3$ ) of chromium. The samples were baked  
at 1250 to 1300°C for 2.5 hours without any substantial loss of  
chromium. The luminescence spectra investigated on the above  
samples at -180°C gave broadly the same results as those  
previously given by A.L.Schawlow, D.L.Wood and A.M.Clogston  
(Phys. Rev. Lett., no.3, 1959, 271). Relative to the R-line  
long wavelength, part of the luminescence spectrum was found to be  
connected partly with the luminescence of the interacting pairs of  
chromium ions "dimers", and partly due to luminescence of groups  
of more than two ions "polymers". The relative intensity of the  
Card 1/3

Luminescence kinetics ...

S/051/62/013/002/007/014  
E202/E492

dimeric and polymeric luminescence depended in a superlinear way on the concentration of chromium - for the polymeric luminescence (diffused IR band) the superlinearity was expressed much more sharply than for the dimeric. A particularly great role was played by the reabsorptive phenomena which deform the relaxation as well as the luminescence spectra when insufficiently thin samples were used. It was also found that not only did the relative intensity increase towards the long wavelengths with the concentration of Cr and the finite thickness of the sample but also the ratio of the  $R_1/R_2$  of the principal doublet depended on the thickness of the sample. The relaxation luminescence spectra of fine powdered synthetic rubies without and with additions of  $Cr_2O_3$  ranging from 0.055 to 8% wt, and observed at -180 and 20°C, made the authors conclude that it is possible to isolate 6 groups of lines and bands with different quenching times  $\tau$  and that these groups agree substantially with the data given previously (Optika i spektroskopiya, no.5, 1959, 659). In additional series of experiments it was also confirmed that the intensity of luminescence was linearly dependent on the intensity of excitation  $E$  and that there was no dependence of relaxation

Card 2/3

Luminescence kinetics ...

time on E. There are 2 figures and 4 tables.

SUBMITTED: May 8, 1961

S/051/62/013/002/007/014  
E202/E492

Card 3/3

TOISTOY, N.A.; LYU SHUN'-GU [Liu Shun-fu]; LAPIDUS, M.Ye.

Kinetics of the luminescence of chromium luminophors. Part 3.  
Section 1. Luminescence spectra and relaxation spectra; effect  
of chromium concentration and thickness. Opt.i spektr. 13  
no.2:242-249 Ag '62. (MIRA 15:11)  
(Chromium--Spectra) (Luminescence)

IAPIDUS, R.I., dotsent

Treatment of varicose ulcers of the shin. Zdrav.Belor. 5  
no.8:36-37 Ag '59. (MIRA 12:10)

1. Iz kafedry obshchey khirurgii Minskogo meditsinskogo instituta i 3-go klinicheskogo ob"yedineniya (glavnyy vrach A.I. Khorkhov) gor.Minska.

(EXTREMITIES, LOWER--ULCERS)

LAPIDUS, SH. I.

The following is among dissertation s of the Leningrad Polytechnic Institute imeni Kalinin:

"Heat Calculations of Dry-Type Power Transformers with Natural Cooling." 27 June 1949. An analysis is made of heat sources in transformers and of the coefficients of heat conductivity and heat loss of the corresponding surfaces during natural circulation of the air. On the basis of the existing theory of heat loss from a free surface during natural cooling, a compilation was made of the coefficients of heat loss by radiation and convection and of the coefficients of heat conductivity. Heat calculation of dry-type transformers is examined on the basis of experimental data.

SO: M-1048, 28 Mar 56



LAPIDUS, Sh.I., kand. tekhn. nauk; ZAKS, M.I., inzh.

Design of welding transformers with magnetic shunt and partial  
spread of the winding. Elektrotehnika 35 no.11:49-52 N '64.  
(MIRA 18:6)

ACC NR: AP6015642

(N)

SOURCE CODE: UR/0413/66/000/009/0053/0053

INVENTORS: Feder, Ye. S.; Zaks, M. I.; Lapidus, Sh. I.

ORG: none

TITLE: A universal welding rectifier. Class 21, No. 181212 [announced by All-Union Scientific Research Institute of Electric Welding Equipment (Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 53

TOPIC TAGS: welding equipment component, semiconductor rectifier, volt ampere characteristic

ABSTRACT: This Author Certificate presents a universal welding rectifier. The rectifier includes a power transformer, a regulation unit, and a saturation choke coil with control windings. The operating windings of the choke coil are joined in parallel and are connected in series with the rectifiers of the semiconductor power rectifier. The design simplifies the production of steep-dipping and flat-dipping external volt-ampere characteristics. One of the control windings of the saturation choke coil is connected to an unregulated voltage and serves as the bias winding in association with the flat-dipping external characteristics and as the preliminary magnetization winding in association with the steep-dipping characteristics. The

UDC: 621.791.037-523

Card 1/2

ACC NR: AP6015642

other control winding is connected to a regulated voltage, and provides the control in association with the flat-dipping external characteristics. The other control winding in association with the steep-dipping characteristics serves for producing the welding current feedback.

SUB CODE: 09 13/ SUBM DATE: 12Apr65

Card 2/2

LAPIDUS, S. S.

From the practice of utilizing carbon tetrachloride.

SO: TABCON Veterinariya; 23; (8-9); Aug/Sep 46; Unclassified

Assistant, Department of Zoohygiene, Veterinary Faculty of the Moscow Chemico-  
Technological Institute of Meat Industry

LAPIDUS, S. S. Cand. of Vet. Sci.  
"Hygienic regime of the work of a horse." (A review)  
SO: Veterinariya 26(2) 1949, p. 29

LAPIDUS, S. S. , Cand. of Vet. Sci.

Scientific-Research Veterinarno-Sanitary Laboratory, City Veterinary  
Dept., Moscow City Executive Committee.

"Gastro-intestinal diseases of horses and the prophylaxis measures  
in the city horse yards."

ИЗ: Veterinariya, 27 (7), 1950, p. 36

LAPIDUS, S. S.

Candidate of Veterinary Sciences, Scientific Research Veterinary Sanitary Laboratory, City of Veterinary Department, Moscow City Executive Committee.

"Zoohygienic norms for the maintenance and exploitation of horses in forest raions."

SO: HIGIENE OF AGRICULTURAL ANIMALS, Proceedings of the XXIX Plenum of the Veterinary Section of the Academy, P. 185, Moscow 1950, Trans. 191, by L. Lulich. uncl

LAPIDUS, S.S., Cand. of Vet. Sciences

All-Union Scientific Research Lab. of Vet. Sanitation and Disinfection

Ministry of Agriculture, USSR

"Basic principles of the fight against flies in livestock  
breeding farms."

SO: Vet. 28 (8) 1951, p. 45



LAPIDUS, S.

Flies

Important veterinary measure. Kolkh. proiz., 12, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress October 1952 UNCLASSIFIED.

NIKONOV, N.N.; LAPIDUS, S.S.

Starodub Central Zootechny and Veterinary District. Veterinariia  
30 no.3:6-9 Mr '53. (MLRA 6:3)

POLYAKOV, A.A.; LAPIDUS, S.S.

Improve the work of disinfection squads. Veterinariia 30 no.11:  
52-53 N '53. (MIRA 6:11)

LAPIDUS, S. S.

USSR/Medicine - Veterinary

FD-463

Card 1/1 : Pub. 137 - 4/24

Author : Lapidus, S. S.

Title : On reorganization of veterinary work in Zvenigorodskiy Rayon of Moskovskaya Oblast

Periodical : Veterinariya, 7, 15-16, Jul 54

Abstract : The September Plenum of the Central Committee of the CPSU adopted a resolution requiring reorganization of the veterinary service in the USSR. Consequently the veterinary districts and veterinary posts of Zvenigorodskiy Rayon, Moskovskaya Oblast, have placed all their equipment at the disposal of the machine tractor stations. The veterinary work within the rayon has improved as a result. Intra-rayon conferences are held on the 25th or 26th of each month. Prophylactic treatment of all farm animals has been carried out systematically.

Institution :

Submitted :

LAPIDUS, S.S, kandidat veterinarnykh nauk.

A furunculoid skin disease in farm animals. Veterinariia 31 no.12:  
36 D '54. (MLBA 7:12)

(HORSES--DISEASES) (SKIN--DISEASES)

ANDROSOV, F.Z.; KARAVASHKOVA, A.I.; LAPIDUS, S.S.; KHODOVA, O.Ya.

Control of flies in stock pavilions at the All-Union Agricultural Exhibition. Veterinariia 32 no.5:72 My '55.  
(FLIES)(DISINFECTION AND DISINFECTANTS) (MLBA 8:7)

POLYAKOV, A.A.; LAPIDUS, S.S.

The work of disinfection squads should be further expanded in  
planned prophylactic disinfection. Veterinaria 32 no.6:65-68  
Je '55. (MIRA 8:7)

(DISINFECTION AND DISINFECTANT)

LAPIDUS, S.S., kandidat veterinarnykh nauk.

Fly control is a prerequisite of sanitation and good working conditions  
in stockbreeding. Veterinariia 33 no.4:77-80 Ap '56. (MLRA 9:7)  
(Flies)



DOBIN, M.A., kandidat veterinarnykh nauk; EPSHTEYN, Yu.F., LAPIDUS, S.S.,  
kandidat veterinarnykh nauk.

Work of a rendering plant in Leningrad. Veterinariia 33 no.8:71-74  
Ag '56. (MIRA 9:9)

1Patanatomicheskaya laboratoriya vetsektora sel'khozotdela ispolkoma  
Lengorsoveta (for Epshteyn).2.Vsesoyuznyy nauchno-issledovatel'skiy  
institut veterinarnoy sanatorii i ektoparazitologii (for Lapidus).  
(Leningrad--Rendering works)

S.S. LAPIDUS

USSR / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R-1

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7297

Author : S. S. Lapidus, A. A. Noskov

Inst : Not Given

Title : A New Liniment Emulsion for the Treatment of Ringworm of Large Horned Cattle.

Orig Pub: Byul. nauchno-tekhn. inform. Vses. n-i. in-t vet. sanitarii i ektoparasitolog. 1957, No 2, 57-59.

Abstract: No Abstract.

Card 1/1

7

USSR/Diseases in Farm Animals. Diseases Caused by Arachno-Entoms. R-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54960.

Author : Vyazkova, S. F., Lapidus, S. S.

Inst : All-Union Scientific Research Institute of Veterinary Sanitation and Ectoparasitology.

Title : Devising Methods for the Control of Ectoparasites in Poultry Yards.

Orig Pub: Tr. Vses. n.-i. in-t. vet. sanitarii i ektoparazitolog. 1957, 11, 236-259.

Abstract: Experiments were carried out in order to find means for the control of the *Deramanyssus gallinae* chicken mites and of capsid bugs under laboratory as well as under industrial conditions. Cracks and openings in the walls, cages, etc., were closed with putty (consisting of 1 part

Card : 1/4

USSR/Diseases in Farm Animals. Diseases Caused by Arachno-Entoms.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54960.

of creolin and 2-3 parts of chalk). The 3.5 percent water emulsion of a creolinic concentrate of DDT or of hexachloran (H) is the most effective disinfectant. However, practical utilization of H compounds should be avoided, since they have a harmful effect on poultry. A water emulsion with 3 percent SK-9 and 3 percent creolin is an effective insecticide for bugs. Perches, roosting places, nests and other equipment in poultry yards infected by mites and bugs may be most reliably treated by a 3-4 minutes lasting immersion of the implements into a 3 percent water emulsion of creolinic DDT concentrate. Also, these objects can be treated with a 3.5 percent creolin emulsion (they can be spurted or washed from a hydrostand), or by being sponged with

Card : 2/4

21

APPROVED FOR RELEASE: 08/31/2001

USSR/Diseases in Farm Animals. Diseases Caused by Arachno-Entoms. CIA-RDP86-00513R000928610011-3"

Entoms.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54960.

very wet mops or shower brushes, and sprayed (after drying) with a 5 percent water emulsion of a creolinic DDT concentrate. The walls of the infested premises may be treated with the same emulsion. During the process of disinfection, the birds should be removed from the premises, and care should be taken that the insecticide does not come into contact with feed and water. The possibility was demonstrated by experimental treatments that bugs can be eliminated from premises from which the hens have been removed, after applying aerosol bombs twice, which were made from a 10 percent DDT solution and a 4 percent hexachloran emulsion in diesel oil. Thirty ml. per 1 square meter were used with an interval of 6 days, after

Card : 3/4

LAPIDUS, S. S. (Candidate of Veterinary Sciences) and POLYAKOV, A. A.

"The veterinary-sanitary (industrial) plants as reserves (sources for the increase of the production of fodder protein (albumin)."

Veterinariya, Vol. 38 No.5 1961

LAPIDUS, S.Ya.

Course of the trend in and nature of Hercynian folding in the southwestern spurs of the Gissar Range. Uzb. geol. zhur. 8 no.1: (MIRA 18:5)  
57-61 '64.

1. Kashkadar'inskaya ekspeditsiya Glavnogo upravleniya geologii i okhrany neдр pri Sovete Ministrov UzSSR.

KHOROSHAVIN, Stanislav Andreyevich; LAPIDUS, T.S., red.; KLEYMAN,  
I.M., red.; SMIRNOVA, M.I., tekhn. red.

[Elements of automatic control in physics and electrical  
engineering courses in secondary schools] Elementy avtoma-  
tiki v kurse elektrotekhniki i fiziki srednei shkoly; po-  
sobie dlia uchitelei elektrotekhniki i fiziki. Moskva,  
Uchpedgiz, 1963. 169 p. (MIRA 16:12)  
(Automatic control)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

2ND AND 4TH ORDERS

COMMON ELEMENTS

COMMON VARIABLE MOSES

OPEN

MATERIAL MOSES

20

•Welding of a Nickel-Aluminum-Iron Alloy to Iron. V. A. Larkins (*Autog. Delo (Autogenous Practice)*, 1937, (5/8), 33).—[In Russian.] The welding of low carbon iron to a magnetic iron alloy containing nickel 25 and aluminium 16% is discussed. A 6-mm. carbon electrode is used at 250 amp. d.c. The magnetic alloy is preheated to 800° C. to avoid the formation of cracks; this can also be done, and demagnetizing avoided, by keeping the temperature of the corners (where cracks are most easily formed) as low as possible during the whole of the welding process.—N. A.

ASB-5.1A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

RELIST ONE ONLY 151

RELIST ONE ONLY 151

COMMON ELEMENTS																										PROCESSING AND PRESENTATION																										MATERIALS																									
COMMON ELEMENTS																										PROCESSING AND PRESENTATION																										MATERIALS																									
A																										B																										C																									
D																										E																										F																									
G																										H																										I																									
J																										K																										L																									
M																										N																										O																									
P																										Q																										R																									
S																										T																										U																									
V																										W																										X																									
Y																										Z																										AA																									
AB																										AC																										AD																									
AE																										AF																										AG																									
AH																										AI																										AJ																									
AK																										AL																										AM																									
AN																										AO																										AP																									
AQ																										AR																										AS																									
AT																										AU																										AV																									
AW																										AX																										AY																									
AZ																										BA																										BB																									
BC																										BD																										BE																									
BF																										BG																										BH																									
BI																										BJ																										BK																									
BL																										BM																										BN																									
BO																										BP																										BQ																									
BR																										BS																										BT																									
BU																										BV																										BW																									
BX																										BY																										BZ																									
CA																										CB																										CC																									
CD																										CE																										CF																									
CG																										CH																										CI																									
CJ																										CK																										CL																									
CM																										CN																										CO																									
CP																										CQ																										CR																									
CS																										CT																										CU																									
CV																										CW																										CX																									
CY																										CZ																										DA																									
DB																										DC																										DD																									
DE																										DF																										DG																									
DH																										DI																										DJ																									
DK																										DL																										DM																									
DN																										DO																										DP																									
DQ																										DR																										DS																									
DT																										DU																										DV																									
DW																										DX																										DY																									
DZ																										EA																										EB																									
EC																										ED																										EE																									
EF																										EG																										EH																									
EI																										EJ																										EK																									
EL																										EM																										EN																									
EO																										EP																										EQ																									
ER																										ES																										ET																									
EU																										EV																										EW																									
EX																										EY																										EZ																									
FA																										FB																										FC																									
FD																										FE																										FF																									
FG																										FH																										FI																									
FJ																										FK																										FL																									
FM																										FN																										FO																									
FP																										FQ																										FR																									
FS																										FT																										FU																									
FV																										FW																										FX																									
FY																										FZ																										GA																									
GB																										GC																										GD																									
GE																										GF																										GG																									
GH																										GI																										GJ																									
GK																										GL																										GM																									
GN																										GO																										GP																									
GQ																										GR																										GS																									
GT																										GU																										GV																									
GW																										GX																										GY																									
GZ																										HA																										HB																									
HC																										HD																										HE																									
HF																										HG																										HH																									
HI																										HJ																										HK																									
HL																										HM																										HN																									
HO																										HP																										HQ																									
HR																										HS																										HT																									
HU																										HV																										HW																									
HX																										HY																										HZ																									
IA																										IB																										IC																									
ID																										IE																										IF																									
IG																										IH																										II																									
IJ																										IK																										IL																									
IM																										IN																										IO																									
IP																										IQ																										IR																									
IS																										IT																										IU																									
IV																										IW																										IX																									
IY																										IZ																										JA																									
JB																										JC																										JD																									
JE																										JF																										JG																									
JH																										JI																										JJ																									
JK																										JL																										JM																									
JN																										JO																										JP																									
JQ																										JR																										JS																									
JT																										JU																										JV																									
JW																										JX																										JY																									
JZ																										KA																										KB																									
KC																										KD																										KE																									
KF																										KG																										KH																									
KI																										KJ																										KK																									
KL																										KM																										KN																									
KO																										KP																										KQ																									
KR																										KS																										KT																									
KU																										KV																										KW																									
KX																										KY																										KZ																									
LA																										LB																										LC																									
LD																										LE																										LF																									
LG																										LH																										LI																									
LJ																										LK																										LL																									
LM																										LN																										LO																									
LP																										LQ																										LR																									
LS																										LT																										LU																									
LV																										LW																										LX																									
LY																										LZ																										MA																									
MB																										MC																										MD																									
ME																										MF																										MG																									
MH																										MI																										MJ																									
MK																										ML																										MN																									
MO																										MP																										MQ																									
MR																										MS																										MT																									
MU																										MV																										MW																									
MX																										MY																										MZ																									
NA																										NB																										NC																									
ND																										NE																										NF																									
NG																										NH																										NI																									
NJ																										NK																										NL																									
NM																										NO																										NP																									
NQ																										NR																										NS																									
NT																										NU																										NV																									
NW																										NX																										NY																									
NZ																										OA																										OB																									
OC																										OD																										OE																									
OF																										OG																										OH																									
OI																										OJ																										OK																									
OL																										OM																										ON																									
OO																										OP																										OQ																									
OR																										OS																										OT																									
OU																										OV																										OW																									
OX																										OY																										OZ																									
PA																										PB																										PC																									
PD																										PE																										PF																									
PG																										PH																										PI																									
PJ																										PK																										PL																									
PM																										PN																										PO																									
PP																										PQ																										PR																									
PS																										PT																										PU																									
PV																										PW																										PX																									
PY																										PZ																										QA																									
QB																										QC																										QD																									
QE																										QF																										QG																									
QH																										QI																										QJ																									
QK																										QL																										QM																									
QN																										QO																										QP																									
QQ																										QR																										QS																									
QT																										QU																										QV																									
QW																										QX																										QY																									
QZ																										RA																										RB																									
RC																										RD																										RE																									
RF																										RG																										RH																									
RI																										RJ																										RK																									
RL																										RM																										RN																									
RO																										RP																										RQ																									
RR																										RS																										RT																									
RU																										RV																										RW																									
RX																										RY																										RZ																									
SA																										SB																										SC																									
SD																										SE																										SF																									
SG																										SH																										SI																									
SJ																										SK																										SL																									
SM																										SN																										SO																									
SP																										SQ																										SR																									
SS																										ST																										SU																									
SV																										SW																										SX																									
SY																										SZ																										TA																									
TB																										TC																										TD																									
TE																										TF																										TG																									
TH																										TI																										TJ																									
TK																										TL																										TM																									
TN																										TO																										TP																									
TQ																										TR																										TS																									
TU																										TV																										TW																									
TX																										TY																										TZ																									
UA																										UB																										UC																									
UD																										UE																										UF																									
UG																										UH																										UI																									
UJ																										UK																										UL																									
UM																										UN																										UO																									
UP																										UQ																										UR																									
US																										UT																										UU																									
UV																										UW																										UX																									
UY																										UZ																										VA																									
VB																										VC																										VD																									
VE																										VF																										VG																									
VH																										VI																										VJ																									
VK																										VL																										VM																									
VN																										VO																										VP																									
VQ																										VR																										VS																									
VT																										VU																										VV																									
VW																										VX																										VY																									
VZ																										WA																										WB																									
WC																										WD																										WE																									
WF																										WG																										WH																									
WI																										WJ																										WK																									
WL																										WM																										WN																									
WO																										WP																										WQ																									
WR																										WS																										WT																									
WU																										WV																										WW																									
WX																										WY																										WZ																									
XA																										XB																										XC																									
XD																										XE																										XF																									
XG																										XH																										XI																									
XJ																										XK																										XL																									
XM																										XN																										XO																									
XP																										XQ																										XR																									
XS																										XT																										XU																									
XV																										XW																										XX																									
XY																										XZ																										YA																									
YB																										YC																										YD																									
YE																										YF																										YG																									
YH																										YI																										YJ																									
YK																										YL																										YM																									
YN																										YO																										YP																									
YQ																										YR																										YS																									
YT																										YU																										YV																									
YW																										YX																										YY																									
YZ																										ZA																										ZB																									
ZC																										ZD																										ZE																									
ZF																										ZG																										ZH																									
ZI																										ZJ																										ZK																									
ZL																										ZM																										ZN																									
ZO																										ZP																										ZQ																									
ZR																										ZS																										ZT																									
ZU																										ZV																										ZW																									
ZX																										ZY																										ZZ																									



CA

Electric welding of cast iron by the bath process.  
V. A. Laidus. *Arzennos Delo* 8, No. 510, 28 (1937).  
Chem. Zentr. 1938, I, 4375.—Defective cast iron pipe  
can be repaired by elec. welding by the bath method  
of Slavyanov. The defective portion is first removed as  
far as possible by mech. means in such a manner that  
the depression remaining has smooth perpendicular side  
walls. Suitable forms are arranged to give the desired  
shape to the portion being rebuilt. The cast-iron speci-  
men is then carefully heated and welded electrically with  
the use of a cast-iron electrode contg. C 4, Si 3.5, Mn 0.8,  
S up to 0.1, and P 0.05%, after which the specimen is care-  
fully cooled. M. G. Moore

ASB-31.4 METALLURGICAL LITERATURE CLASSIFICATION

LAPIDUS, V. A.

62/49T27

USSR/Engineering  
Welding - Electrodes  
Tools, Cutting

Dec 48

"Electrodes for Fusing Surfaces on Cutting Tools,"  
Docent V. A. Lapidus, Cand Tech Sci, TsNIITMash  
(Cen Sci Res Inst of Technol of Mach Bldg), 4 pp

"Avtogen Delo" No 12

Describes type TsI-1 and TsI-2 electrodes which  
permit fusing a surface layer on cutting tools.  
Tools so treated perform as well as forged tools  
as long as they are not subjected to impact  
forces. These electrodes should get wide dis-  
semination in industry.

62/49T27

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

7

B

**Built-Up Forged Tools.** (In Russian.) V. A. Lapidus.  
*Stanki i Instrumenti* (Tools and Instruments), v.  
 19, June 1948, p. 14-16.

Cast and forged built-up tools (hard metal deposited by welding) were comparatively studied. Despite a similar amount and size of carbide inclusions, the former are more brittle. Causes are indicated. A new method of manufacture is proposed.

3RD AND 4TH ORDERS

OPEN

COMMON ELEMENTS

ASB-55-A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

COMMON ELEMENTS

LAPIDUS, V. A.

Elektrody dlia naplavki rezhushchego instrumenta. (Vestn. Mash., 1949, no. 4  
p. 25-28)

Electrodes for welding cutting tools.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of  
Congress, 1953.

264-M. Mechanism of Fusion of Weld-Deposited Metal. (In Russian.) V. A. Lashin. *Avtoгенное Делю* (Welding), v. 31, Dec. 1950, p. 18-20.

Fusion of coated electrodes for welding of steel and chemical and physical processes involved in formation of molten droplets on the ends of the electrodes, their detachment, and union with the base metal were investigated photographically and analytically. Method of investigation and results. (KI, ST)

BTR

1221\* Investigation of the Equilibrium State of the Metal-Slag System During Welding With Tsl-1 Electrodes. V. A. Lashin. *Acetogennoe Delo*, v. 22, Apr. 1951, p. 12-15. Equilibrium conditions in the molten deposit during arc welding of steels with above rods are calculated. Results are discussed and tabulated.

LAPIDUS, V.A., kandidat tekhnicheskikh nauk; BUTYIKIN, A.G., tekhnicheskii  
redaktor

[TaNIITMASH cutting tool beading electrodes; instructive materials]  
Elektrody TaNIITMASH dlia naplavki rezhushchego instrumenta; in-  
struktivnye materialy. Moskva, Gos.nauchno-tekhn.izd-vo mashino-  
stroitel'noi lit-ry, 1952. 21 p. (Nauchno-tekhnicheskaya informatsiya,  
no.17) [Microfilm] (MIRA 9:3)  
(Electrodes) (Cutting tools)

LAPIDUS, V. A.

Sep 52

USSR/Metallurgy - Welding, Application, Turbines

"Faced Blades of Hydraulic Turbines, " I. R. Kryanin, Cand Tech Sci, K. A. Udotov, L. M. Yarovinskiy, Engineers, Stalin Prize Laureates, V. A. Lapidus, Cand Tech Sci

"Avtogen Delo" No 9, pp 17-21

Discusses technology of facing runner blades made of carbon or low-alloy steel with sheets of austenitic Cr-Ni-Ti steel. Facing sheets are fastened to blades with elec rivets and by welding along their perimeter with simultaneous welding to blade body. Technology was developed in connection with sharp increase in demands for runner blades of hydraulic turbines and necessity of finding more economical method for their fabrication, instead of presently used casting out of stainless steel. Cost was reduced by 41%.

232T79



LAPIDUS, V. A.

3

13472 On the Problem of the Most Favorable Calcium  
Carbonate Content of Electrode Coatings. V. A. Lapidus,  
Henry Brucher, Alhambra, Calif. Translation no. 3225, 8 p.  
(From *Autogennoe Delo*, v. 23, no. 11, 1952, p. 10-13.)  
Ability of  $\text{CaCO}_3$  to prevent oxidation of the deposited metal  
and loss of alloying elements by generating a shielding medium.  
Graph, photograph, tables.

10-1-54

LAPIDUS, V.A., kandidat tekhnicheskikh nauk.

TsH-1 and TsH-2 electrodes for arc beading of boiler-fitting thickening  
surfaces. [Trudy] TSNIITMASH 60:60-71 '53. (MIRA 6:11)  
(Electric welding)

LAPIDUS  
KHYANIN, I.R., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk;  
LAPIDUS, V.A., kandidat tekhnicheskikh nauk; SAFRAZBEKYAN, G.S.,  
inzhener, laureat Stalinskoy premii.

Lining the runners of hydroturbines and preliminary results of  
their operation. Vest.mash.34 no.1:48-51 Ja '54. (MLRA 7:2)  
(Water wheels)

IAPIDUS, V.A., kandidat tekhnicheskikh nauk

New TsH-3 electrodes for hard-facing boiler fittings devised by the Central Scientific Research Institute of Technology and Machinery Industry. Svar.proizv. no.3-10-13 Mr 55. (MIRA 8:9)

1. Tsentral'nyy Nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.

(Electrodes) (Hard facing)

LAPIDUS, V. A.

✓ 14524\* Some Laws on Element Transfer From the Electrode  
Coating Into the Metal Weldment. Nekotorye zakonomernosti  
perekhoda elementov iz pokrytiya elektroda v naplavlennyi  
metall. (Russian.) V. A. Lapidus. Svarochnoe Proizvodstvo,  
MC 1955, no. 8, Aug., pp. 13-16.  
Transfer of W, Cr, V, and C in relation to the marble ( $\text{CaCO}_3$ )  
content of the electrode coating. Tables, graphs. 3 ref.

of

gan

LAPIDUS, V.A., kandidat tekhnicheskikh nauk.

The TsN-4 and TsN-5 electrodes used for welding shearing blades and filling up closed forging dies manufactures by the Central Scientific Research Institute of Technology and Machine Building. Trudy TSNIITMASH 76:166-174 '55. (MLRA 9:7)  
(Electric welding) (Shears (Machine tools)--Welding)

KRYANIN, I.R., kandidat tekhnicheskikh nauk; LAPIDUS, V.A., kandidat tekhnicheskikh nauk.

Coating runner chambers in high-power hydraulic turbines.

Energomashinostroenie no.8:22-24 Ag '56.

(MLRA 9:10)

(Hydraulic turbines) (Hard facing)

LAPIDUS, Vladimir Arkad'yevich; KRYUKOVSKIY, N.N., inzhener, retsenzent;  
ZVEGINTSEVA, K.V., inzhener, redaktor; GRUSHEVSKAYA, G.M.,  
izdatel'skiy redaktor; MODEL', B.I., tekhnicheskii redaktor

[Electrodes for built-up welding] Elektrody dlia naplavki.  
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry,  
1957. 231 p. (MLRA 10:6)  
(Electrodes)



135-58-8-15/20

AUTHOR: Lapidus, V. A., Candidate of Technical Sciences

TITLE: On the Shielding-Oxidizing Properties of Marble in Electrode Coatings (O zashchitno-okislitel'noy sposobnosti mramora v elektrodnykh pokrytiyakh)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 8, pp 43 - 45 (USSR)

ABSTRACT: The author discusses some statements made by A. A. Yerokhin in a previous article (Svarochnoye proizvodstvo, Nr 12, 1957) on the oxidizing effect of some components of electrode coatings in arc welding. He rejects Yerokhin's conclusion on the possibility of the shielding effect of carbon anhydride with respect to the oxygen in the air. Reference data of seven authors mentioned by Yerokhin (V. A. Lapidus, A. V. Sukhov, A. N. Shashkov, T. N. Dubova, A. A. Alov, P. S. Turkin, I. A. Lipetskiy) is analyzed. An editorial note states that the given arguments are based on

Card 1/2

135-58-8-15/20

On the Shielding-Oxidizing Properties of Marble in Electrode Coatings

hypotheses and presumptions and do not contain any new experimental data, so that the problem in question remains unsolved. There are 2 diagrams and 1 graph.

1. Arc welding
2. Electrodes--Coating
3. Welding--Critic

Card 2/2

5(2)

SOV/125-12-6-8/14

AUTHOR: Lapidus, V.A., Candidate of Technical Sciences

TITLE: Calculation of the Reaction between the to be Melted  
Tub and the Slag with a Viewpoint on the Molecular  
and Ionic Theory

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 6 (75)  
pp 67-78 (USSR)

ABSTRACT: The author presents the data of the calculation of the  
reactions of tungsten, vanadium, chrome, carbon, sili-  
con maganese and aluminum in the tub of liquid metal  
with the iron oxyde of the slag. The results of the  
calculation are tested by experiment. For the calcula-  
tion two theories are used: 1) The theory of Shenk,  
which takes the slag as an ideal molecular solution of  
free and combined oxydes. 2) The theory, which tales  
the slag as an ionic solution. By now the ionic nature  
of the slag has already been proved (footnote of the  
editor). The method of Shenk was used recently for cal-  
culations by Winkler and Chipman (Ref. 5) and Marrey

Card 1/3

SOV/125-12-6-8/14

## Calculations of the Reaction Between the to be Melted Tub and the Slag with a Viewpoint on the Molecular and Ionic Theory

and White (Ref. 6). The ionic theory has only been used in the last decade (O.A. Yesin, A.M. Samarin, L.A. Shvartsman, V.A. Kozheurov and others). The author only investigates the reactions between the tub of liquid metal and the slag while using melting electrodes type TsI-1M in the moment of discontinuance of the reaction at a temperature of 1450°C. The chemical compounds of the metal, melted with electrodes type TsI-1M are: 0.72% C, 18.8% W, 1.05% V, 3.83% Cr, 0.85% Si, 0.62% Mn, 0.12% Al, 74.47% Fe, 0.04% S<sub>4</sub>P. The chemical compounds of the slag were: 25.2% SiO<sub>2</sub>, 4.09% MnO, 5.26% FeO, 28.46% CaO, 2.8% Al<sub>2</sub>O<sub>3</sub>, 0.55% Cr<sub>2</sub>O<sub>3</sub>, 0.41% V<sub>2</sub>O<sub>5</sub>, 0.83% WO<sub>3</sub>, 0.69% MgO, 6.71% Na<sub>2</sub>O<sub>3</sub>, 25.0% CaF<sub>2</sub>. The reactions of the metal and the slag are shown in equation (4-11) The author does not agree

Card 2/3

SOV/125-12-6-8/14

Calculation of the Reaction Between the to be Melted Tub and the Slag with a Viewpoint on the Molecular and Ionic Theory

with A.A. Yerokhin (Ref. 10). The results of the investigation analogue to the method of Shenk were the following: 10.09  $\text{SiO}_2$ , 14.69%  $\text{CaO}$ , 0.57%  $\text{MnO}$ , 1.98%  $\text{FeO}$ , 2.22%  $2\text{FeO} \cdot \text{SiO}_2$ , 25.6%  $\text{CaO} \cdot \text{Fe}_2\text{O}_3$ . The results of the investigation analogue to the ionic theory of Samarin and Shvartsman had more accurate results, except for the silicon reactions. There the method of Shenk showed the better results. There are 11 tables and 13 references, 11 of which are Soviet and 2 English

ASSOCIATION: TsNIITMASH

SUBMITTED: December 25, 1958

Card 3/3

BABUSHKINA, G.I., inzh.; KRYANIN, I.R., doktor tekhn.nauk, prof.;  
LAPIDUS, V.A., kand.tekhn.nauk

Copper steel for the blades of large hydraulic turbines.  
[Trudy] TSNIITMASH 100:311-346 '59. (MIRA 13:7)  
(Copper steel) (Hydraulic turbines—Blades)

S/135/62/000/008/002/004  
A006/A101

AUTHOR: Lapidus, V. A., Candidate of Technical Sciences

TITLE: GOST 10051-62 for electrodes intended for arc-hardfacing

PERIODICAL: Svarochnoye proizvodstvo, no. 8, 1962, 28 - 30.

TEXT: Information is given on specific features of GOST 10051-62 for electrodes, intended for building-up layers with particular properties. This standard will replace GOST 2523-51 and will become operative in July 1963. The following deficiencies are eliminated: instead of 11 types, 25 electrode types are established, including all variants of hardfacing alloys used in the USSR. Instead of indicating only the metal type, the chemical composition of the built-up metal is given for each electrode type. The hardness of the built-up metal directly after hardfacing or special heat treatment, and not only after annealing, is given. A number of parts is listed, to be hardfaced by a given electrode type, instead of indicating the general use of the electrodes. The most suitable electrode types are recommended for hardfacing on the basis of various factors such as: correspondence of the built-up metal to the basic destination of the electrode; scarcity of the electrode components; feasibility of the hardfacing process etc. The electrode type is designated according to the hardness of the built-up metal and its Card 1/2

GOST 10051-62 for electrodes intended for...

S/135/62/000/008/002/004  
A006/A101

chemical composition. Basic data characteristic of the hardfacing alloy and electrode type, the fields of application, and exemplary electrode grades for the given types, are tabulated. There are 2 tables.

Card 2/2



S/590/62/104/000/006/006  
1007/1207

**AUTHORS:** Lapidus, V. A., Candidate of Technical Sciences, and Dobrova, I. N., Engineer  
**TITLE:** Welding of boiler-fitting sealing surfaces by grade ЦН-6 (TsN-6) electrodes  
**SOURCE:** Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya [Trudy] v. 104. 1962, Voprosy svarski v energomashinostroyenii, 150-175

**TEXT:** The grade ЦН-2 (TsN-2) electrodes used in welding heat-resistant boiler-fitting sealing-joints are expensive; these electrodes are manufactured by casting which precludes the possibility of mechanizing their production. In order to find more suitable electrode materials, the TsNIITMASH conducted a series of investigations the results of which are reported in this paper. The production process of the new type of an electrode and test results are amply described. The institute developed a new type of ferroalloy (containing chromium, nickel and silicon) for the manufacture of the ЦН-6 (TsN-6) electrode. After preliminary testing, the new electrode has been adopted by a great number of machine-building plants. Its use resulted in considerable savings and increased mechanical strength of the joint which in turn permits the machining rate and welding productivity to be increased more than twice compared with the rates in using the expensive, cobalt-containing electrodes. There are 16 tables and 20 figures.

**ASSOCIATION:** Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya (Central Scientific Research Institute of Technology and Machine-Building)

Card 1/1

LAPIDUS, V.A., kand.tekhn.nauk; DOBROVA, N.I., inzh.

Padding steam fittings with use of TSN-6 electrodes. [Trudy]  
TSNIITMASH 104:150-175 '62. (MIRA 15:6)  
(Electroforming) (Pipe fitting)

LAPIDUS, V.A., kand.tekhn.nauk

Erosion resistant alloys for build-up welding of hydraulic  
turbine components. Energomashinostroenie 8 no.10:34-37  
0 '62. (MIRA 15:11)

(Hydraulic turbines)  
(Hard facing)

LAPIDUS, V.A., kand.tekhn.nauk

State standard no. 10051-62 for arc welding electrodes. Svar.  
proizv. no.8:25-30 Ag '62. (MIRA 15:11)  
(Electrodes--Standards)